

MEMORANDUM FOR: [REDACTED]

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FROM: [REDACTED]

SUBJECT: Petroleum Refinery Capacities in the USSR

REFERENCE: Your Memorandum of 18 February 1959 Requesting Information
on the Above Subject [REDACTED]

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1. Attached is a list showing CIA estimates of the annual crude oil charge capacities currently installed or planned in Soviet refineries. The attached list recapitulates, for comparative purposes, the corresponding [REDACTED] estimates which were furnished with the reference memorandum. It is noted that the CIA estimates show only the totals at sites of refinery complexes; the estimates develop no separate capacities for the individual "refineries" which may constitute such a complex.

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2. It is noted also that most entries in the CIA estimates have a considerable range of probable error. Only a tentative status is assigned to the estimates for planned facilities and for recent large additions at sites of old refineries - for example, at Kuybyshev, Ufa, and Baku, and especially so at Krasnovodsk and Gur'yev. Firm estimates cannot be satisfactorily developed on the basis of authentic information, which is nearly always fragmentary and inconclusive. Nevertheless, the CIA estimates generally have a basis in the many, but invariably incomplete, official Soviet statements which have been published on the operation and construction of refineries. Documentation and methodological explanations are available, although not requested in the reference memorandum.

3. Only conditional answers can be given to the specific questions about refinery constructions at Moscow and Uldta. The published data for Moscow are interpreted to mean that the existing refinery is being modernized with some expansion, and that by 1965, additional facilities of about the same capacity are planned to be constructed in a new refinery. There are no known plans for major expansion of the Uldta refinery. It is possible that a major part of the Komi production is (or will be) processed in the new refinery of Perm' (Molotov) and in the reconstructed refinery at Krasnokamsk.

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ORR/M/FP: [REDACTED]:dd/2766(4 May 59)

Estimated Crude Oil Charge Capacities in the USSR, in Million Metric Tons Annually

<u>Site of Refinery Complex</u>	<u>CIA Estimates</u>				
	<u>1959 b/</u>	<u>1960 c/</u>	<u>1965 c/</u>	<u>1959</u>	<u>1960</u>
Kirishi (Leningrad)	0.0	0.0	6.6	-	-
Uchta	0.3	0.3	0.3	0.35	0.35
Pololok	0.0	1.3	2.6	-	-
Mozyr'	0.0	0.0	2.6	-	-
Drogobych and 3 other sites (Ukraine)	1.0	1.1	1.1	1.0	1.0
Odessa	0.3	0.3	6.9	0.5	0.5
Kherson	0.3	0.3	0.3	0.5	0.5
Kremenchug	0.0	0.0	1.3	-	-
Khar'kov	0.0	0.0	1.3	-	-
Groznyy	9.7	10.5	13.5	8.5	8.5
Krasnodar	1.2	1.2	1.2	1.2	1.2
Tumpe	3.0	3.2	3.2	2.6	2.6
Batumi	2.3	2.5	3.6	2.7	3.6
Baku	20.1	21.0	21.9	17.6	17.6
Kybyshhev	20.2	21.2	31.0	15.5	15.5
Saratov	3.1	3.4	3.4	4.0	4.0
Syzran'	2.2	2.4	2.6	2.0	2.0
Stalingrad	2.6	2.6	6.6	3.0	4.5
Moscow	2.5	3.1	6.6	6.0	6.0
Gor'kiy	1.9	3.4	3.4	2.6	4.0
Ryazan'	0.0	6.6	6.6	0.0	4.0
Yaroslavl'	0.3	2.6	2.6	0.5	2.5
Krasnokamsk	0.6	0.6	0.6	0.7	0.7
Perm' (Molotov)	1.3	2.6	2.6	2.0	3.0
Ufa	20.2	21.2	31.0	18.0	18.0
Ishimbay	0.6	0.6	0.6	1.2	1.2
Salavat	3.0	3.2	3.2	6.0	6.0
Orsk	1.7	1.9	1.9	2.0	2.0
Orsk	9.7	12.0	18.9	9.0	15.0
Gur'yev	4.7	5.1	5.2	1.0	1.0
Pavlodar	0.0	1.3	2.6	0.0	3.0
Chimkent	0.0	0.0	2.6	-	-
Krasnovodsk	9.0	10.4	10.5	3.5	3.5
Vannovskaya	1.7	1.9	1.9	1.5	1.5
Fergana	2.6	2.6	2.6	1.5	1.5
Bogotol (Krasnoyarsk)	0.0	0.0	2.6	-	-
Angarsk (Irkutsk)	0.0	4.7	6.6	0.0	4.0
Raychikhinsk (Amar)	0.0	0.0	2.6	-	-
Khabarovsk	0.7	0.8	0.8	1.0	1.0
Komsomol'sk	0.6	0.7	0.7	0.8	0.8
3 other sites	0.7	0.7	0.7	-	-
Total	128.1	157.3	227.4	116.75	140.55

- a. No listing of site and/or capacity if space is blank.
 b. At the beginning of the year.
 c. At the end of the year.